

In the Claims:

1. (currently amended) A coated product comprising:
a three-dimensional substrate having an intentionally formed decorative surface that includes at least one surface selected from the group consisting of a tapered edge surface, a groove surface, a bevel surface, and a stepped surface; and
a one hundred percent solids coating applied to said three-dimensional substrate, wherein said coating is applied uniformly on said three-dimensional substrate to form a thin film layer of coating that is 0.001 inches or less thick.
2. (original) The coated product of claim 1, wherein said substrate is wood.
3. (original) The coated product of claim 1, wherein said substrate is a wooden cabinet component.
4. (currently amended) A coated three-dimensional product formed by a process comprising:
supplying a coating material comprised of one hundred percent solids material to a dispensing mechanism; and
applying said coating material from said coating mechanism to the three-dimensional substrate having an intentionally formed decorative surface that includes at least one surface selected from the group consisting of a tapered edge surface, a groove surface, a bevel surface, and a stepped surface to provide a uniform thin film coating that is 0.001 inches or less thick of said coating material on said three-dimensional substrate.
5. (canceled)
6. (canceled) The product of claim 4, wherein said uniform thin film coating ~~has a film thickness 0.001 inches or less~~ is applied while said three-dimensional substrate is moved at a speed between twenty feet per minute and thirty-five feet per minute.
7. (original) The product of claim 4, wherein said coating material is UV curable.

8. (original) The product of claim 4, wherein said substrate is comprised of wood.
9. (original) The product of claim 4, wherein said substrate is a cabinet component.
10. (original) The product of claim 4, wherein said process further comprises the step of atomizing said coating material to form an atomization stream.
11. (original) The product of claim 10, wherein said atomization stream is temperature controlled.
12. (original) The product of claim 11, wherein said atomization stream is controlled to be between about 80 degrees Fahrenheit and about 160 degrees Fahrenheit.
13. (original) The product of claim 11, wherein said atomization stream is controlled to be between about 110 degrees Fahrenheit and about 140 degrees Fahrenheit.
14. (original) The product of claim 4, wherein the coating material is comprised of particles having an primary particle size in the range of about 25 microns to 50 microns.
15. (original) The product of claim 4, wherein said coating material comprises a sealer and a topcoat.
16. (original) The product of claim 4, wherein said process further comprising the step of sanding or scuffing said substrate.
17. (original) The product of claim 4, wherein the coating material is applied to said substrate by a high precision spray gun.
18. (original) The product of claim 4, wherein said high precision spray gun is a SATA LP™ jet K3™ HVLP Automatic High Performance Spray Gun or a Can-Am #2100 RC

Fluid Recirculation Automatic Spray Gun.

19. (original) The product of claim 4, wherein said process further comprises the step of adding heat to said coating material.

20. (original) The product of claim 19, wherein said coating material is heated to between about 80 degrees Fahrenheit and about 160 degrees Fahrenheit.

21. (original) The product of claim 22, wherein said coating material is heated to between about 110 degrees Fahrenheit and about 140 degrees Fahrenheit.

22. (original) The product of claim 4, wherein said process further comprises the step of providing a pressurized air stream.

23. (original) The product of claim 4, wherein said process further comprises the step of heating said pressurized air stream.

24. (original) The product of claim 23, wherein said pressurized air stream is heated to between about 80 degrees Fahrenheit and about 160 degrees Fahrenheit.

25. (original) The product of claim 23, wherein said heat is supplied from an external source.

26. (original) The product of claim 23, wherein the coating material is applied to said substrate by a high precision spray gun and said heat source is a component of said high precision spray gun.

27. (original) The product of claim 4, wherein said process further comprises heating said substrate to between about 80 degrees Fahrenheit and about 160 degrees Fahrenheit prior to application of said coating.

28. (currently amended) A coated product comprising:

a three-dimensional substrate having an intentionally formed decorative surface that includes at least one surface selected from the group consisting of a tapered edge surface, a groove surface, a bevel surface, and a stepped surface; and

a uniform thin film coating applied to said substrate, wherein said thin coating film comprises a multi-layer composite coating that includes a topcoat and a sealer and is comprised of one hundred percent solids material, and wherein each of the topcoat and the sealer are applied uniformly on said three-dimensional substrate to form said thin film that is approximately 0.001 inches or less thick.

29. (previously amended) The coated product of claim 28 wherein said three-dimensional substrate is a wooden cabinet component.